

GenCore version 4.5  
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OM protein - protein search, using SW model  
Run on: June 18, 2001, 15:34:07 ; Search time 78.57 seconds  
(without alignments) updates/sec

Title: US-09-653-755A-5  
Perfect score: 1121  
Sequence: 1 ENVITQSPAIMSASPGERKTV.....EATHKTSTSPIVKSFRNREC 214

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 425026 seqs, 132305027 residues

Total number of hits satisfying chosen parameters: 425026

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%,

Listing first 45 summaries

Database : SPTRIMBL\_16:\*

- 1: sp\_archea:\*
- 2: sp\_bacteria:\*
- 3: sp\_fungi:\*
- 4: sp\_human:\*
- 5: sp\_invertebrate:\*
- 6: sp\_mammal:\*
- 7: sp\_mhc:\*
- 8: sp\_organelle:\*
- 9: sp\_phage:\*
- 10: sp\_plant:\*
- 11: sp Rodent:\*
- 12: sp\_unclassified:\*
- 13: sp\_vertebrate:\*
- 14: sp\_virus:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match Length	DB ID	Description	RESULT	1	ALIGNMENTS
1	881	78.6	214	11 Q91A5	ORI1A5	PRELIMINARY;	Q9n0w5 oryctolagus
2	427.5	38.1	106	5 Q9U410	ORI1A5;	AC 01-MAY-2000 (TRIMBL_16, Created)	Q9nsd6 homo sapien
3	415	37.0	97	11 Q9U176	DT 01-MAY-2000 (TRIMBL_16, Last sequence update)	DR 01-MAR-2001 (TRIMBL_16, Last annotation update)	Q9u182 homo sapien
4	392	35.0	101	11 Q9U178	DT 01-MAR-2001 (TRIMBL_16, Last annotation update)	DE KAPPA LIGHT CHAIN OF MAB7 (FRAGMENT).	Q9u1j6 homo sapien
5	360.5	33.0	109	4 Q9U178	OS Mus musculus (Mouse).	OS Mus musculus (Mouse).	Q9u1l3 mus musculu
6	351	31.3	108	4 Q9U177	OC Mammalia; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus; OX NCBI_TAXID=10090;	OC Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus; OX NCBI_TAXID=10090;	Q9u1w8 homo sapien
7	348.5	31.1	109	4 Q9U186	RN [1]	RN	Q9u1w9 homo sapien
8	346	30.9	108	4 Q9U170	RP SEQUENCE FROM N.A.	RP	Q9u180 homo sapien
9	345.5	30.8	109	4 Q9U174	RA Wilde K.G., Yu X.X., Ekramoddoullah A.K.M., Misra S.; "Cloning of cDNAs encoding for anti-white pine blister rust monoclonal antibody (Mab 7, its light and heavy chains) and construction of a single chain antibody (scFv)."; Submitted (MAY-1999) to the EMBL/GenBank/DBJ databases.	RA	Q9u185 mus musculu
10	343	30.6	108	4 Q9U179	RT DR EMBL; AR152371; AAD40242.1; -.	RT	Q9u186 homo sapien
11	341.5	30.5	107	4 Q9U181	RT DR PROSITE; PS00290; IG_MHC; UNKNOWN_1.	RT	Q9u187 homo sapien
12	341	30.4	108	4 Q9U183	RT DR SMART; SM00410; IG_like; 1.	RT	Q9u188 homo sapien
13	340	30.3	298	11 Q9YF0	FT FT NOLTER 1	FT	Q9u189 homo sapien
14	307	27.4	107	11 Q9U184	FT FT NON_TER 1	FT	Q9u190 homo sapien
15	298	26.6	99	11 Q9U174	FT FT SEQUENCE 214 AA; 23922 MW; 52BA205FDE995E2A CRC64;	FT	Q9u191 homo sapien
16	291	26.0	107	11 Q9ER29	FT FT SEQUENCE 214 AA; 23922 MW; 52BA205FDE995E2A CRC64;	FT	Q9u192 homo sapien
17	285	25.4	103	11 Q91B0	FT FT SEQUENCE 214 AA; 23922 MW; 52BA205FDE995E2A CRC64;	FT	Q9u193 homo sapien
18	278.5	24.8	104	11 Q9U182	FT FT SEQUENCE 214 AA; 23922 MW; 52BA205FDE995E2A CRC64;	FT	Q9u194 homo sapien
19	267	23.8	114	4 Q9U180	FT FT SEQUENCE 214 AA; 23922 MW; 52BA205FDE995E2A CRC64;	FT	Q9u195 homo sapien

Query Match 78.6%; Score 881; DB 11; Length 214; Best Local Similarity 80.2%; Pred. No. 3.2e-70; Mismatches 170; Conservative 13; Mismatches 27; Indels 2; Gaps 2; Matches 170;

Q9n0w5 oryctolagus  
Q9nsd6 homo sapien  
Q9u182 homo sapien  
Q9u1j6 ginglymosto  
Q9u1l3 mus musculu  
Q9u1w8 homo sapien  
Q9u1w9 homo sapien  
Q9u180 homo sapien  
Q9u185 mus musculu  
Q9u186 homo sapien  
Q9u187 homo sapien  
Q9u188 homo sapien  
Q9u189 homo sapien  
Q9u190 homo sapien  
Q9u191 homo sapien  
Q9u192 homo sapien  
Q9u193 homo sapien  
P97797 mus musculu  
P98324 homo sapien  
Q90524 ginglymosto  
Q9u1j6 homo sapien  
Q9u1l3 mus musculu  
Q9u1w8 homo sapien  
Q9u1w9 homo sapien  
Q9u185 mus musculu  
Q97710 rattus norv  
Q90536 ginglymosto  
Q9u1w8 homo sapien  
Q9u1w9 homo sapien  
Q9u185 rattus norv  
Q9u1j6 homo sapien  
Q9u1l3 mus musculu  
Q90544 ginglymosto  
Q9u1w8 homo sapien  
Q9u1w9 homo sapien  
Q90545 ginglymosto

QY	123	EQLTSGGASVVCFLNNFYPRDINVWKIDSERQVLYNSWTQDSKDSYMSSTLFLR 182	RC	STRAT=DAV/2;
Db	123	EQLTSGGASVVCFLNNFYPRDINVWKIDSERQVLYNSWTQDSKDSYMSSTLFLR 182	RA	Malkiel S.; Liao L.; Cunningham M.W.; Diamond B.;
QY	183	KDEYERHNSYTCATHTSTSPIVKSFRNREC 214	RT	"Characterization of cross-reactive monoclonal anti-myosin/anti-n-
Db	183	KDEYERHNSYTCATHTSTSPIVKSFRNREC 214	RL	acetyl-glucosamine antibodies from mice with autoimmune myocarditis. ";
RESULT	2		Submitted (NOV-1999) to the EMBL/GenBank/DBJ databases.	DR
Q9U410			EMBL; AF206030; AAF69328 1; -.	DR
ID	Q9U410	PRELIMINARY;	InterPro; IPR003006; -.	DR
AC	Q9U410;	PRT;	InterPro; IPR003596; -.	DR
DT	01-MAY-2000 (TREMBLrel. 13, Last sequence update)	106 AA.	Pfam; PF00047; Ig; 1.	DR
DT	01-MAR-2001 (TREMBLrel. 16, Last annotation update)		SMART; SM00406; IgV; 1.	DR
DE	MONOCLOINAL ANTI-IDIOTYPIC ANTIBODY NP30 VARIABLE REGION (FRAGMENT).		NON_TER 1	FT
OS	Schistosoma japonicum (Blood fluke).		NON_TER 97	FT
OC	Eukaryota; Metazoa; Platyhelminthes; Rhabditophora; Neodermata;		SEQUENCE 97 AA;	SO
OC	Trematoda; Digenea; Strigeida; Schistosomatidae;		10542 MW;	RC
OX	Schistosoma;		C9EE1FFELF49DAIC CRC64;	RC
RN	[1]			RC
RP	SEQUENCE FROM N.A.			RA
RA	Song X.T.; Feng Z.Q.; Qiu Z.N.; Li Y.Q.; Huang H.L.; Guan X.H.;			RA
RT	"Amplification, cloning and sequence analysis of the light chain variable region gene of monoclonal anti-idiotypic antibody NP30 of Schistosoma japonicum. ";			RA
RT	Submitted (NOV-1999) to the EMBL/GenBank/DBJ databases.			RA
RL	-!- SIMILARITY: TO IMMUNOGLOBULIN AND MAJOR HISTOCOMPATIBILITY COMPLEX DOMAIN.			RA
CC	EMBL; AF206020; AAF19434.1; -.			RA
DR	HSSP; P01579; 2FBJ.			RA
DR	InterPro; IPR00308; -.			RA
DR	InterPro; IPR00306; -.			RA
DR	InterPro; IPR003596; -.			RA
DR	pfam; PF00047; Ig; 1.			RA
DR	PRODOM; P000600; -; 1.			RA
DR	SMART; SM00406; IgV; 1.			RA
FT	NON_TER 1			RA
FT	NON_TER 106			RA
SO	SEQUENCE 106 AA;	11478 MW;	F20F544426BAE63E CRC64;	RC
Query	Match	38.1%; Score 427.5; DB 5; Length 106;	Q9JL78	STRAT=A;CA;
Best Local Similarity	79.6%;	Pred. No. 1.4e-30;	ID	Q9JL78;
Matches	86;	Conservative 9; Mismatches 10; Indels 3; Gaps 2;	AC	Q9JL78;
QY	1	ENVLTGSPAIMSASGEKVTMCRASSVSSYLVHRYRQSGASPKLWLYTSNLSAGVP 60	DT	01-OCT-2000 (TREMBLrel. 15, Last sequence update)
Db	1	ENVLTGSPAIMSASGEKVTMCRASSVSSYLVHRYRQSGASPKLWLYTSNLSAGVP 58	DT	01-MAR-2001 (TREMBLrel. 16, Last annotation update)
QY	61	ARFSGSGSGSGSISLTISVVEDADATYQOQYSGR-TFGGGTKEIK 107	DE	ANTI-MYOSIN IMMUNOGLOBULIN VARIABLE REGION (FRAGMENT).
Db	59	VRFSGSGSGSISLTISVVEDADATYQOQYSGR-TFGGGTKEIK 106	OS	Mus musculus (Mouse).
RESULT	3		OS	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
Q9JL76			OX	NCBI_TaxID=10090;
ID	Q9JL76	PRELIMINARY;	DR	SEQUENCE FROM N.A.
AC	Q9JL76;	PRT;	DR	STRAT=A;CA;
DT	01-OCT-2000 (TREMBLrel. 15, Created)	97 AA.	DR	Stratkiel S.; Liao L.; Cunningham M.W.; Diamond B.;
DT	01-OCT-2000 (TREMBLrel. 15, Last sequence update)		DR	"Characterization of cross-reactive monoclonal anti-myosin/anti-n-
DT	01-OCT-2000 (TREMBLrel. 15, Last annotation update)		DR	acetyl-glucosamine antibodies from mice with autoimmune myocarditis. ";
DT	01-MAR-2001 (TREMBLrel. 16, Last annotation update)		DR	Submitted (NOV-1999) to the EMBL/GenBank/DBJ databases.
DE	ANTI-MYOSIN IMMUNOGLOBULIN VARIABLE REGION (FRAGMENT).		DR	EMBL; AF206028; AAF69326.1; -.
OS	Mus musculus (Mouse).		DR	InterPro; IPR003006; -.
OC	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.		DR	InterPro; IPR003596; -.
OX	NCBI_TaxID=10090;		DR	Pfam; PF00047; Ig; 1.
RN	[1]		DR	SMART; SM00406; IgV; 1.
RP	SEQUENCE FROM N.A.		FT	NON_TER 101
SO	SEQUENCE 101 AA;	10778 MW;	SO	SEQUENCE 101 AA;
Query	Match	35.0%; Score 392; DB 11; Length 101;	Q9UL78	0A7F65E6A7E6F14D CRC64;
Best Local Similarity	77.8%;	Pred. No. 1.7e-27;	ID	0A7F65E6A7E6F14D CRC64;
Matches	77;	Conservative 8; Mismatches 12; Indels 2; Gaps 1;	AC	0A7F65E6A7E6F14D CRC64;
QY	11	MSASGEKVTMCRASSVSSYLVHRYRQSGASPKLWLYTSNLSAGVPFGSGSGT 70	DT	3
Db	3	MSASGEKVTMCRASSVSSYLVHRYRQSGASPKLWLYTSNLSAGVPFGSGSGT 62	DT	3
QY	71	SYSLTISVVEDADATYQOQYSGR-TFGGGTKEIK 107	DT	01-MAR-2001 (TREMBLrel. 16, Last annotation update)
Db	63	SYSLTISVVEDADATYQOQYSGR-TFGGGTKEIK 101	DE	ANTI-MYOSIN IMMUNOGLOBULIN LIGHT CHAIN VARIABLE REGION (FRAGMENT).
OC	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.	OC	Mus musculus (Mouse).	
OC	NCBI_TaxID=10090;	OC	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.	
RN	[1]	RP	SEQUENCE FROM N.A.	
RESULT	5		Q9UL78	PRELIMINARY;
ID	Q9UL78	PRT;	Q9UL78	109 AA.

AC	Q9UL78;	SQ	SEQUENCE	108 AA:	11738 MN:	C06681716C4D16F3 CRC64;
DT	01-MAY-2000 (TREMbrel. 13, Created)					
DT	01-MAY-2000 (TREMbrel. 13, Last sequence update)					
DT	01-MAR-2001 (TREMbrel. 16, Last annotation update)					
DE	MYOSIN-REACTIVE IMMUNOGLOBULIN LIGHT CHAIN VARIABLE REGION (FRAGMENT).					
OS	Homo sapiens (Human); Chordata; Craniata; Vertebrata; Euteleostomi;					
OC	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;					
OC	Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.					
NCBI_TaxID=5606;						
[1]						
RN	SEQUENCE FROM N.A.					
RR	MEDLINE#98277139; PubMed=9614934;					
RA	Wu X., Liu B., Van der Merwe P.L., Kalis N.N., Berney S.M.,					
RA	Young D.C.,					
RT	"Myosin-reactive autoantibodies in rheumatic carditis and normal fetus.";					
RL	Clin. Immunol. Immunopathol. 87:184-192(1998).					
RA	Wu X., Liu B., Van der Merwe P.L., Kalis N.N., Berney S.M.,					
RA	Young D.C.,					
RT	"Myosin-reactive autoantibodies in rheumatic carditis and normal fetus.";					
RL	Clin. Immunol. Immunopathol. 87:184-192(1998).					
CC	CC					
DR	EMBL: AF035036; AAC56272.1; -.					
DR	HSSP; P01789; IMCP;					
DR	InterPro; IPR03006; -.					
DR	InterPro; IPR03396; -.					
DR	Pfam; PF00047; 19; 1.					
DR	SMART; SM00406; Igv; 1.					
FT	NON_TER 109 1					
FT	NON_TER 109 109 AA: 11646 MN: 5F675C52EC7EE197 CRC64;					
SQ	SEQUENCE					
RESULT	6					
Q9UL77	PRELIMINARY;	PRT;	108 AA.			
ID	Q9UL77;					
AC	Q9UL77;					
DT	01-MAY-2000 (TREMbrel. 13, Last sequence update)					
DT	01-MAR-2001 (TREMbrel. 16, Last annotation update)					
DE	MYOSIN-REACTIVE IMMUNOGLOBULIN LIGHT CHAIN VARIABLE REGION (FRAGMENT).					
OS	Homo sapiens (Human); Chordata; Craniata; Vertebrata; Euteleostomi;					
OC	Mammalia; Eutheria; Chordata; Chordata; Catarrhini; Hominidae; Homo.					
OC	NCBI_TaxID=9606;					
[1]						
RN	SEQUENCE FROM N.A.					
RR	MEDLINE#98277139; PubMed=9614934;					
RA	Wu X., Liu B., Van der Merwe P.L., Kalis N.N., Berney S.M.,					
RA	Young D.C.,					
RT	"Myosin-reactive autoantibodies in rheumatic carditis and normal fetus.";					
RL	Clin. Immunol. Immunopathol. 87:184-192(1998).					
CC	CC					
DR	EMBL: AF035038; AAC56264.1; -.					
DR	HSSP; P01789; IMCP;					
DR	InterPro; IPR03006; -.					
DR	Pfam; PF00047; 19; 1.					
DR	SMART; SM00406; Igv; 1.					
FT	NON_TER 109 109 AA: 11928 MN: 243325F72C7DAC83 CRC64;					
SQ	SEQUENCE					
RESULT	6					
Q9UL77	PRELIMINARY;	PRT;	108 AA.			
ID	Q9UL77;					
AC	Q9UL77;					
DT	01-MAY-2000 (TREMbrel. 13, Last sequence update)					
DT	01-MAR-2001 (TREMbrel. 16, Last annotation update)					
DE	MYOSIN-REACTIVE IMMUNOGLOBULIN LIGHT CHAIN VARIABLE REGION (FRAGMENT).					
OS	Homo sapiens (Human); Chordata; Craniata; Vertebrata; Euteleostomi;					
OC	Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.					
OC	NCBI_TaxID=9606;					
RN	[1]					
RR	SEQUENCE FROM N.A.					
RR	MEDLINE#98277139; PubMed=9614934;					
RA	Wu X., Liu B., Van der Merwe P.L., Kalis N.N., Berney S.M.,					
RA	Young D.C.,					
RT	"Myosin-reactive autoantibodies in rheumatic carditis and normal fetus.";					
RL	Clin. Immunol. Immunopathol. 87:184-192(1998).					
CC	CC					
DR	EMBL: AF035037; AAC56273.1; -.					
DR	HSSP; P01607; IREL;					
DR	InterPro; IPR03006; -.					
DR	InterPro; IPR03396; -.					
DR	Pfam; PF00047; 19; 1.					
DR	SMART; SM00406; Igv; 1.					
FT	NON_TER 108 108 AA: 11646 MN: 5F675C52EC7EE197 CRC64;					
SQ	SEQUENCE					
RESULT	8					
Q9UL70	PRELIMINARY;	PRT;	108 AA.			
ID	Q9UL70;					
AC	Q9UL70;					
DT	01-MAY-2000 (TREMbrel. 13, Last sequence update)					
DT	01-MAR-2001 (TREMbrel. 16, Last annotation update)					
DE	MYOSIN-REACTIVE IMMUNOGLOBULIN LIGHT CHAIN VARIABLE REGION (FRAGMENT).					
OS	Homo sapiens (Human); Chordata; Craniata; Vertebrata; Euteleostomi;					
OC	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;					
OC	Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.					

OX NCBI\_TaxID=9606;  
 RN [1]  
 RP SEQUENCE FROM N.A.  
 RX MEDLINE=9277139; PubMed=9614934;  
 RA Wu X., Liu B., Van der Merwe P.L., Kalis N.N., Berney S.M.,  
 RA "Myosin-reactive autoantibodies in rheumatic carditis and normal  
 fetus";  
 RL Clin. Immunol. Immunopathol. 87:184-192(1998).  
 CC DOMAIN.  
 DR EMBL: AF035044; AAD56280\_1; -  
 DR HSSP: P01607; IREI.  
 DR InterPro: IPR003006; -.  
 DR Pfam: PF00047; 19; 1.  
 DR SMART: SMO0406; 1.  
 FT NON\_TER 1  
 FT NON\_TER 108 AA; 108 MW; B7BEDC3E41FCCA37 CRC64;  
 SQ SEQUENCE 108 AA; 11633 MW; B7BEDC3E41FCCA37 CRC64;

RESULT 9

Q9UL55 PRELIMINARY; PRT; 109 AA.  
 ID Q9UL85  
 AC Q9UL85;  
 DT 01-MAY-2000 (TREMBLrel. 13, Created)  
 DT 01-MAY-2000 (TREMBLrel. 13, Last sequence update)  
 DT 01-MAR-2001 (TREMBLrel. 16, Last annotation update)  
 DE MYOSIN-REACTIVE IMMUNOGLOBULIN HEAVY CHAIN VARIABLE REGION (FRAGMENT).  
 OS Homo sapiens (Human).  
 OC Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.  
 RN [1]  
 RP SEQUENCE FROM N.A.  
 RX MEDLINE=98277139; PubMed=9614934;  
 RA Wu X., Liu B., Van der Merwe P.L., Kalis N.N., Berney S.M.,  
 RA Young D.C.,  
 RT "Myosin-reactive autoantibodies in rheumatic carditis and normal  
 fetus";  
 RL Clin. Immunol. Immunopathol. 87:184-192(1998).  
 CC DOMAIN.  
 DR EMBL: AF035035; AAD56271\_1; -  
 DR HSSP: P01607; IREI.  
 DR InterPro: IPR003006; -.  
 DR Pfam: PF00047; 19; 1.  
 DR SMART: SMO0406; 1.  
 FT NON\_TER 1  
 FT NON\_TER 108 AA; 108 MW; DB5845F19724FB4E CRC64;  
 SQ SEQUENCE 108 AA; 11787 MW; DB5845F19724FB4E CRC64;

RESULT 66

Q9UL55 PRELIMINARY; PRT; 109 AA.  
 ID Q9UL85  
 AC Q9UL85;  
 DT 01-MAY-2000 (TREMBLrel. 13, Created)  
 DT 01-MAY-2000 (TREMBLrel. 13, Last sequence update)  
 DT 01-MAR-2001 (TREMBLrel. 16, Last annotation update)  
 DE MYOSIN-REACTIVE IMMUNOGLOBULIN HEAVY CHAIN VARIABLE REGION (FRAGMENT).  
 OS Homo sapiens (Human).  
 OC Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.  
 RN [1]  
 RP SEQUENCE FROM N.A.  
 RX MEDLINE=9277139; PubMed=9614934;  
 RA Wu X., Liu B., Van der Merwe P.L., Kalis N.N., Berney S.M.,  
 RA Young D.C.,  
 RT "Myosin-reactive autoantibodies in rheumatic carditis and normal  
 fetus";  
 RL Clin. Immunol. Immunopathol. 87:184-192(1998).  
 CC DOMAIN.  
 DR EMBL: AF035029; AAD56265\_1; -  
 DR HSSP: P01607; IREI.  
 DR InterPro: IPR003006; -.  
 DR Pfam: PF00047; 19; 1.  
 DR SMART: SMO0406; 1.  
 FT NON\_TER 1  
 FT NON\_TER 109 AA; 11761 MW; FB1E43E7C7AFACCC CRC64;  
 SQ SEQUENCE 109 AA; 11761 MW; FB1E43E7C7AFACCC CRC64;

Query Match 30.9%; Score 345.5; DB 4; Length 109;  
 Best Local Similarity 60.9%; Pred. No. 2.4e-23;  
 Matches 67; Conservative 21; Mismatches 19; Indels 3; Gaps 2;

QY - 1 ENVHQSPAIMSASPGEKVIMTCRASSVSSSYLHWYRQSGASKPLWYIYSTNLASGV 60

QY - 1 ENVHQSPAIMSASPGEKVIMTCRASSVSSSYLHWYRQSGASKPLWYIYSTNLASGV 60

RL	CLIN. IMMUNOL. IMMUNOPATHOL.	87:184-192(1998).
-1. SIMILARITY: TO IMMUNOGLOBULIN AND MAJOR HISTOCOMPATIBILITY COMPLEX DOMAIN.		
CC	EMBL; AF035033; AAD56269.1;	-.
DR	HSSP; P80362; IWTI.	
DR	InterPro; IPR003006; -.	
DR	InterPro; IPR003596; -.	
DR	InterPro; IPR0047; Ig; 1.	
DR	SMART; SM00406; IgV; 1.	
FT	NON_TER	1
FT	NON_TER	107
FT	SEQUENCE	107 AA; 11501 MW; 070549FDE0754748 CRC64;
RESULT	12	
Q9UL83	PRELIMINARY;	PRT; 108 AA.
ID	Q9UL83	
AC	Q9UL83;	
DT	01-MAY-2000 (TREMBLREL. 13, Last sequence update)	
DT	01-MAR-2001 (TREMBLREL. 16, Last annotation update)	
DE	MYOSIN REACTIVE IMMUNOGLOBULIN LIGHT CHAIN VARIABLE REGION (FRAGMENT).	
OS	Homo sapiens (Human);	
OC	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;	
OC	Mammalia; Eutheria; Primates; Cetartiodactyla; Homidae; Homo.	
OX	NCBI_TaxID:9606;	
RN	[1]	
RP	SEQUENCE FROM N.A.	
RC	STRAIN=BALB/C; TISSUE=SPLEEN;	
RA	Shinohara N., Demura T., Fukuda H.;	
RL	Submitted (DBC-1999) to the EMBL/GenBank/DBJ databases.	
RN	[2]	
RP	SEQUENCE FROM N.A.	
RC	STRAIN=BALB/C; TISSUE=SPLEEN;	
RA	Shinohara N., Demura T., Fukuda H.;	
RT	"isolation of a novel type of vascular cell wall-specific monoclonal antibody recognizing a cell polarity using a phage display subtraction method"; Submitted (DBC-1999) to the EMBL/GenBank/DBJ databases.	
DR	EMBL; AB036341; BAR88633.1; -.	
DR	HSSP; P01607; IRET.	
DR	InterPro; IPR003006; -.	
DR	InterPro; IPR003596; -.	
DR	InterPro; IPR0047; Ig; 2.	
DR	SMART; SM00406; IgV; 1.	
DR	SEQUENCE	298 AA; 31867 MW; E0F96B8A17004317 CRC64;
RESULT	13	
Q9YF00	PRELIMINARY;	PRT; 298 AA.
ID	Q9YF00	
AC	Q9YF00;	
DT	01-MAY-2000 (TREMBLREL. 13, Last sequence update)	
DT	01-MAR-2001 (TREMBLREL. 16, Last annotation update)	
DE	CN 8 SCFV.	
CN	8	
OS	Mus musculus (Mouse).	
OC	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;	
OC	Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.	
OX	NCBI_TaxID=10090;	
RN	[1]	
RP	SEQUENCE FROM N.A.	
RC	STRAIN=BALB/C; TISSUE=SPLEEN;	
RA	Shinohara N., Demura T., Fukuda H.;	
RL	Submitted (DBC-1999) to the EMBL/GenBank/DBJ databases.	
RN	[2]	
RP	SEQUENCE FROM N.A.	
RC	STRAIN=BALB/C; TISSUE=SPLEEN;	
RA	Shinohara N., Demura T., Fukuda H.;	
RT	"isolation of a novel type of vascular cell wall-specific monoclonal antibody recognizing a cell polarity using a phage display subtraction method"; Submitted (DBC-1999) to the EMBL/GenBank/DBJ databases.	
DR	EMBL; AB036341; BAR88633.1; -.	
DR	HSSP; P01607; IRET.	
DR	InterPro; IPR003006; -.	
DR	InterPro; IPR003596; -.	
DR	InterPro; IPR0047; Ig; 2.	
DR	SMART; SM00406; IgV; 2.	
DR	SEQUENCE	298 AA; 31867 MW; E0F96B8A17004317 CRC64;
RESULT	14	
Q9YF04	PRELIMINARY;	PRT; 107 AA.
ID	Q9YF04	
AC	Q9YF04;	
DT	01-OCT-2000 (TREMBLREL. 15, Last sequence update)	
DT	01-OCT-2000 (TREMBLREL. 15, Last sequence update)	
DT	01-OCT-2000 (TREMBLREL. 15, Last sequence update)	
DE	ANTI-MYOSIN IMMUNOGLOBULIN LIGHT CHAIN VARIABLE REGION (FRAGMENT).	
OS	MUS musculus (Mouse).	
OC	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;	
OC	Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.	
OX	NCBI_TaxID=10090;	
RN	[1]	
RP	SEQUENCE FROM N.A.	
RC	STRAIN=BALB/C;	
RA	Malikel S., Liao L., Cunningham M.W., Diamond B.;	
RT	"Characterization of cross-reactive monoclonal anti-myosin/anti-n-	
RT	acetyl-glucosamine antibodies from mice with autoimmune myocarditis.";	
RL	Submitted (NOV-1999) to the EMBL/GenBank/DBJ databases.	
DR	EMBL; AF206022; AAF6930.1; -.	
DR	InterPro; IPR003006; -.	
DR	InterPro; IPR003596; -.	
DR	InterPro; IPR0047; Ig; 1.	
DR	SMART; SM00406; IgV; 1.	
FT	NON_TER	1
FT	SEQUENCE	108 AA; 11834 MW; 9F9C5A92EBA96EEA CRC64;
RESULT	15	
Q9YF00	PRELIMINARY;	PRT; 304 AA.
Best Local Similarity	30.4%	Score 341; DB 4; Length 108;
Matches	61.5%	Score 341; DB 4; Length 108;
1	ENVLTSPAMMASPGKVTMCRASSSSVSSSYLHWYRQSKASPKLWIVSTSNLASGVF 60	Score 341; DB 4; Length 108;
1	EVMTQSPATLVSPGKVTMCRASSSSVSSSYLHWYRQSKASPKLWIVSTSNLASGVF 59	Score 341; DB 4; Length 108;
61	ARFGSGSGSGTSLTISVSEADATYYCOQSYR-TFGGGTKELEIKR 108	Score 341; DB 4; Length 108;
61	ARFGSGSGSGTSLTISLQFEDFAVYCOQHFWTIPY-TFGGGTKELEIKR 108	Score 341; DB 4; Length 108;

FT NON\_TER 107 107  
 SQ SEQUENCE 107 AA; 11648 MW; ACF9B1253ACA1E5D CRC64;

Query Match 27.4%; Score 307; DB 11; Length 107;  
 Best Local Similarity 60.0%; Pred. No. 5. 7e-20;  
 Matches 63; Conservative 15; Mismatches 25; Indels 2; Gaps 2;

QY 4 LTOSPAIMASASPGEKVTMCRASSVSSYHWYRQKSGASKPLWYTSNLASGVPARF 63  
 DB 4 MTQSISSLSASILGDRYXXXCSASOGISNX XXWFWQKPDGTVKLILYIYSSLXSGVPSRF 62

QY 64 SGSGSGTTSYLTISYEADATYQQYSYR-TFGGGKLEIK 107  
 DB 63 SGSGSGXDKYSLTISLEPDIATYQQYSKEPWTFGGGTLEIK 107

RESULT 15  
 09JL74 PRELIMINARY; PRT; 99 AA.  
 ID 09JL74;  
 AC 09JL74;  
 DT 01-OCT-2000 (TREMBL; 15, created)  
 DT 01-OCT-2000 (TREMBL; 15, last sequence update)  
 DT 01-MAR-2001 (TREMBL; 16, last annotation update)  
 DE ANTI-MYOSIN IMMUNOGLOBULIN LIGHT CHAIN VARIABLE REGION (FRAGMENT).  
 OS Mus musculus (mouse).  
 OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
 OC Mammalia; Butheria; Rodentia; Sciurognathii; Muridae; Mus.  
 OC NCBI\_TaxID=10090;  
 RN [1]  
 RP SEQUENCE FROM N.A.  
 RC STRAIN=BALB/C;  
 RA Malkiel S.; Liao L.; Cunningham M.W.; Diamond B.; anti-myosin/anti-n-  
 RT "Characterization of cross-reactive monoclonal anti-myosin/anti-n-  
 acetyl-glucosamine antibodies from mice with autoimmune myocarditis. ";  
 RL Submitted (NOV-1999) to the EMBL/GenBank/DDBJ databases.  
 DR EMBL; AF26032; AAF09330.1; -.  
 DR InterPro; IPR003006; -.  
 DR InterPro; IPR003596; -.  
 DR Pfam; PF00047; ig; 1.  
 DR SMART; SMART046; IGV; 1.  
 FT NON\_TER 1  
 FT NON\_TER 99 99  
 SQ SEQUENCE 99 AA; 10939 MW; 3B25D0E784533324 CRC64;

Query Match 26.6%; Score 298; DB 11; Length 99;  
 Best Local Similarity 63.2%; Pred. No. 3. 3e-19;  
 Matches 60; Conservative 14; Mismatches 19; Indels 2; Gaps 2;

QY 14 SPGEKVMTGRASSVSSYLHWYRQKSGASKPLWYTSNLASGVPARFSGGGTSYS 73  
 DB 6 SAGGDRITCKASQVSND-VAWYQKPGQSPKLUJYASNRVYTGDRFTGSGYGTDF 64

QY 74 LTISSSEAEDATYQQ-YSGYRPFGGKLEIK 107  
 DB 65 FTISTVQAEIDLAVYFCQQDYSSPRFFGGKLEIK 99

Search completed: June 18, 2001, 15:34:08  
 Job time: 231 sec